

**Cosmoplene® Y101E**

PP

The Polyolefin Company (Singapore) Pte Ltd

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>17</b>	g/10min	ASTM D 1238
Mold Shrinkage, MD	<b>0.014</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.015</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Break	<b>32</b>	MPa	ASTM D 638
Flexural Modulus	<b>1150</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 97</b>	-	ASTM D 785
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>113</b>	°C	ASTM D 648
Melting Temperature	<b>167</b>	°C	ASTM D 3418
<b>Other properties</b>			
Density	<b>900</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Features**

Homopolymer

**Certifications**

Food contact, Food approval FDA 21 CFR

**Applications**

General Purpose, Packaging

**Regional Availability**

Asia Pacific